

**NOTICE 479 OF 2014****DEPARTMENT OF PUBLIC WORKS****AGRÉMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 12 December 2012, issued an Agrément certificate, details of which appear in the schedule hereto.

**SCHEDULE**

Agrément Certificate 2007/331(Amended December 2012)

**Name of product:** Ikhaya Future House Building System

**Certificate holder:** Ikhaya Future House Systems (Pty) Ltd

**Description:** The Ikhaya Future House Building System utilises factory produced wall panels and conventional timber roof construction. The wall panel consists of a core of 80 mm thick expanded polystyrene (EPS) with a density of 16 kg/m<sup>3</sup>. The panels have a corrugated profile and are 2.4 m high (minimum) x 1.2 m wide. Galvanised weldmesh to both sides of the EPS, is electro-welded to galvanised wire ties passing through the EPS core.

If specified by a professional engineer a reinforced concrete ring beam is cast at eaves level to all external eaves and gable walls.

All walls are connected to the foundation with Y6 drilled anchor reinforcing bars at 300 mm centres, spaced alternately on either side of the wall. Corners and wall junctions are reinforced with L-shaped strips of weldmesh wire tied to the wall panel weldmesh.

Wall panels are finished with 35 mm thick spray applied (Gunit) structural plaster at the valley deepest point (15 MPa) to both sides of the EPS core and 20 mm at the galvanised weldmesh (cement and fine aggregates comply with the relevant **SANS** specifications).

Foundations and surface beds are the conventional and are always the responsibility of a professional competent engineer.

Roof construction is conventional timber or light-weight steel trusses with light- or heavy-weight roof covering. Insulated ceilings are always installed. Windows, doors and services are conventional.

The Agrément certificate contains detailed information on the product and can be accessed at <http://www.agrement.co.za>

Copies are obtainable from: Chief Executive Officer (CEO)  
Agrément South Africa  
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